



AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended): A method of making a catalyst [[including]] comprising the steps of:
 - mixing
 - 1) an alcohol;
 - 2) a titanium alkoxide; and
 - 3) a binderin the presence of a catalytic acid to form a first mixture
 - heating the first mixture at a temperature at least equal to 100°C for at least 2 hours to form a second mixture; and
 - calcinating the second mixture at a temperature of at least equal to 450 °C for at least 2 hours.

2. (Original): The method of Claim 1, wherein the alcohol is selected from the group consisting of isopropanol and ethanol.

3. (Original): The method of Claim 1, wherein the titanium alkoxide is selected from the group consisting of titanium isopropoxide and titanium butoxide.

4. (Original): The method of Claim 1, wherein the binder is selected from the group consisting of polyethylene 200, polyethylene 400, polyethylene 600 and a mixture of tetraethoxysilane and water.

5. (Original): The method of Claim 1, wherein the ratio of alcohol : titanium alkoxide : binder is about 1:12:10 to 1:20:10.

6. (Currently Amended): The method of Claim 1, wherein said catalytic acid is selected from the group consisting of concentrated hydrochloric acid and concentrated nitric acid.

7. (Original): The method of Claim 1, wherein the catalytic acid is in an amount of 1.3 to 3.6 weight percent with respect to the titanium alkoxide.

8. (Previously Presented): A catalyst manufactured by the method of Claim 1.

9. (Previously Presented): A catalyst manufactured by the method of Claim 2.

10. (Previously Presented): A catalyst manufactured by the method of Claim 3.

11. (Previously Presented): A catalyst manufactured by the method of Claim 4.

12. (Previously Presented): A catalyst manufactured by the method of Claim 5.

13. (Previously Presented): A catalyst manufactured by the method of Claim 6.

14. (Previously Presented): A catalyst manufactured by the method of Claim 7.